



Student Conference on Green Building Design

Darmstadt, 11.07.2023 (Day 3)

09:50	10:05		Opening Remark
10:05	11:40		Simultaneous Presentation Sessions (3 Break-out Rooms)
			Session 1 (RB)
10:05	10:10		Technical Preparation
10:10	10:18	1	7.1. Sustainable and smart construction materials: Materials responding to luminous changes
10:20	10:28	2	7.3. Transparent concrete
10:30	10:38	3	7.6. Clay in modern sustainable construction
10:40	10:48	4	10.2. Building thermal mass as an energy storage
10:50	10:58	5	10.3. Indoor thermal mass as an energy storage
11:00	11:08	6	10.4. (Innovative) Energy from biomass
11:10	11:18	7	10.5. Peer-to-Peer (building) and Peer-to-Grid power supply system
			Session 2 (NB)
10:05	10:10		Technical Preparation
10:10	10:18	1	14.1. Green Building concept for skyscrapers
10:20	10:28	2	5.1. Effects of green roof and cool roof on cooling demand reduction
10:30	10:38	3	5.3. Impacts of rainwater harvesting system on roof in a specific district / city





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10:40	10:48	4	5.4. Output power of solar roof systems in a specific district / city
10:50	10:58	5	6.2. Impacts of flooring design on energy efficiency in buildings
11:00	11:08	6	16. 1. Strategic Planning for Decarbonization (self-investigation): in Europe
11:10	11:18	7	16. 7. Strategic Planning for Decarbonization (self-investigation): [in a city/ district of your choice]
			Session 3 (LK)
10:05	10:10		Technical Preparation
10:10	10:18	1	3.2. Building Information Modelling and Building Energy Modelling of an example building
10:20	10:28	2	3.4. Energy analysis of an example district (self illustrated)
10:30	10:38	3	13.1. Energy-efficient building retrofits - Current government policies and incentives
10:40	10:45	4	Thermography for Building Inspection
10:46	10:51	5	Thermography for Building Inspection
10:52	10:57	6	Thermography for Building Inspection
10:58	11:03	7	Thermography for Building Inspection
11:04	11:09	8	Thermography for Building Inspection
11:10	11:18	9	X

Technische Universität Darmstadt Department of Civil and Environmental Engineering Sciences Institute for Constructive Design and Building Construction





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11:20 11:40 Closing Remark